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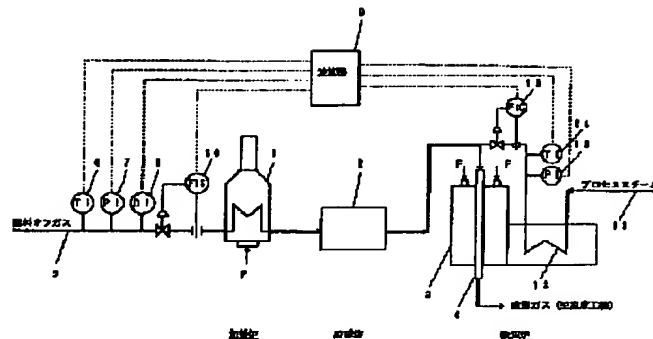
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TITLE : PRODUCTION OF HYDROGEN



ABSTRACT : PROBLEM TO BE SOLVED: To provide a method for producing hydrogen by quickly determining a carbon number in a raw material offgas with easy maintenance and a slight cost of equipment in a method for producing hydrogen with a steam reforming method by using offgas by-produced in an oil refinery as a raw material.

SOLUTION: This method produces hydrogen by a steam reforming method by using offgas by-produced in an oil refinery and mainly composed of a hydrocarbon as a raw material. In the case, a flow rate and density of the offgas are determined and a carbon number per 1mol is estimated from a correlation of the density of the offgas and a carbon number per 1mol, then a total carbon number in the offgas is calculated from the carbon number per 1mol and the flow rate, thus a flow rate of a process steam 11 is estimated from the total carbon number and a ratio of the steam/the carbon number to control the flow rate of the process steam 11.

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